

Fig. 2

CS3	CS2	CS1	CS0	Select Channel
0	0	0	0	P1.0
0	0	0	1	P1.1
0	0	1	0	P1.2
0	0	1	1	P1.3
0	1	0	0	P1.4
0	1	0	1	P1.5
0	1	1	0	P1.6
0	1	1	1	P1.7
1	0	0	0	Temp Sensor

Fig. 3

Address	D7	D6	D5	D4	D3	D2	D1	D0	Description
402000H	0	0	0	1					Convert ADC Ch #1
402001H									
402002H	0	0	1	0					Convert ADC Ch #2
402003H									
402004H	0	1	0	1					Convert ADC Ch#5
402005H									
402006H	0	0	1	1					Convert ADC Ch #3
402007H									
402008H	1	0	0	0					Convert Temp Sensor
402009H									
40200AH	1	1	1	1					Stop DMA

Fig. 4

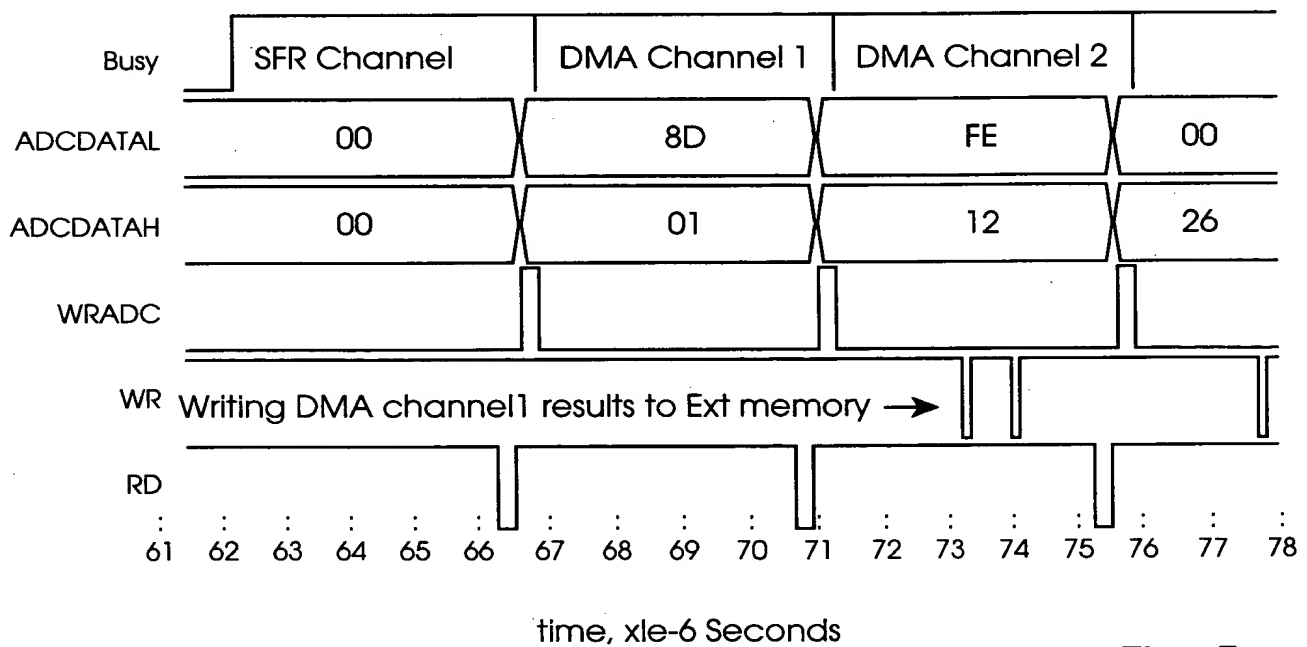


Fig. 5

009430 20402900

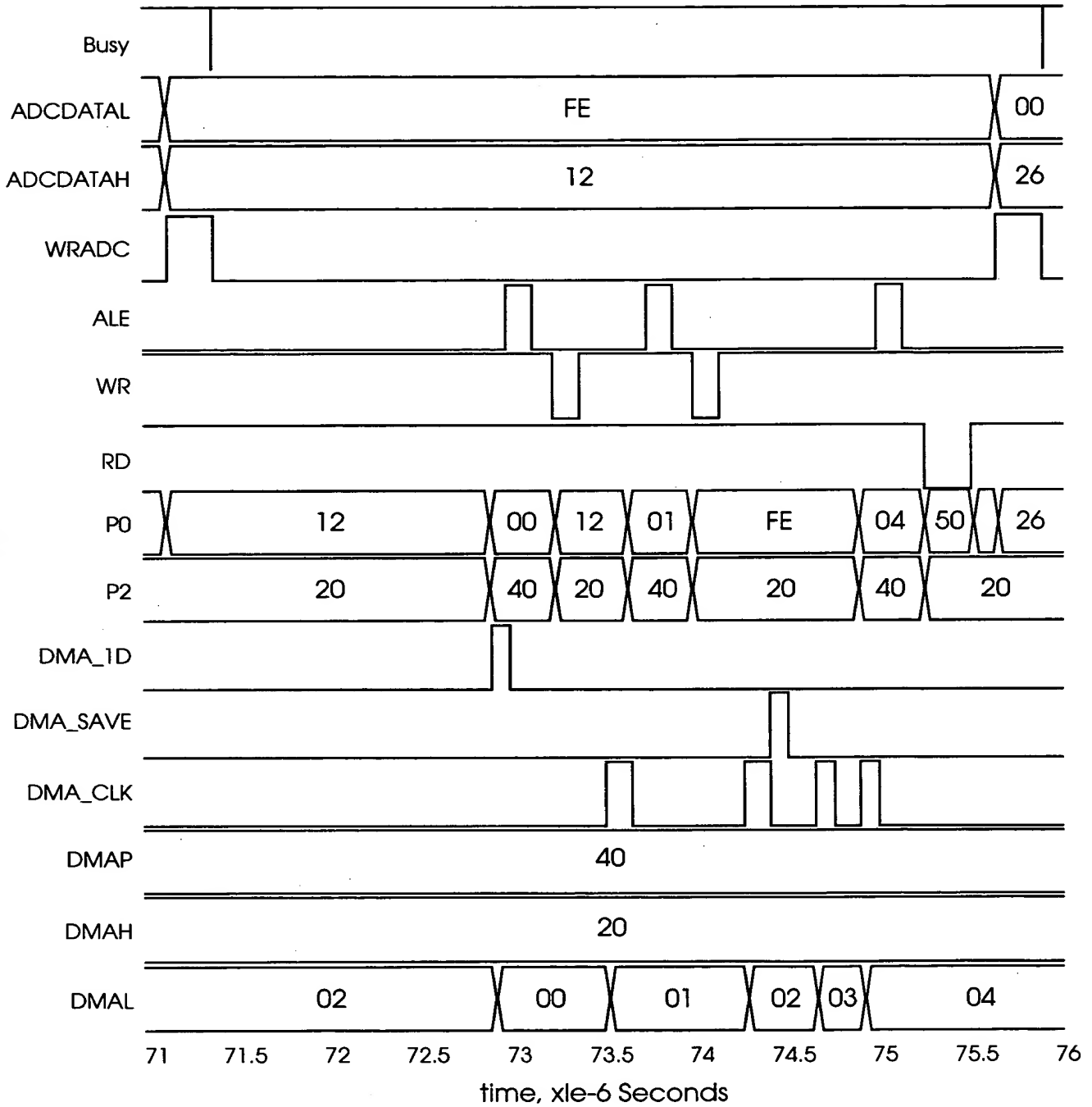


Fig. 6

Address	D7	D6	D5	D4	D3	D2	D1	D0	Description
402000H	0	0	0	1	D12	D11	D10	D9	ADC Ch #1 High Byte
402001H	D8	D7	D6	D5	D4	D3	D2	D1	ADC Ch #1 Low Byte
402002H	0	0	1	0	D12	D11	D10	D9	ADC Ch #2 High Byte
402003H	D8	D7	D6	D5	D4	D3	D2	D1	ADC Ch #2 Low Byte
402004H	0	1	0	1	D12	D11	D10	D9	ADC Ch #5 High Byte
402005H	D8	D7	D6	D5	D4	D3	D2	D1	ADC Ch #5 Low Byte
402006H	0	0	1	1	D12	D11	D10	D9	ADC Ch #3 High Byte
402007H	D8	D7	D6	D5	D4	D3	D2	D1	ADC Ch #3 Low Byte
402008H	1	0	0	0					Convert Temp Sensor
402009H									
40200AH	1	1	1	1					Stop DMA

Fig. 7



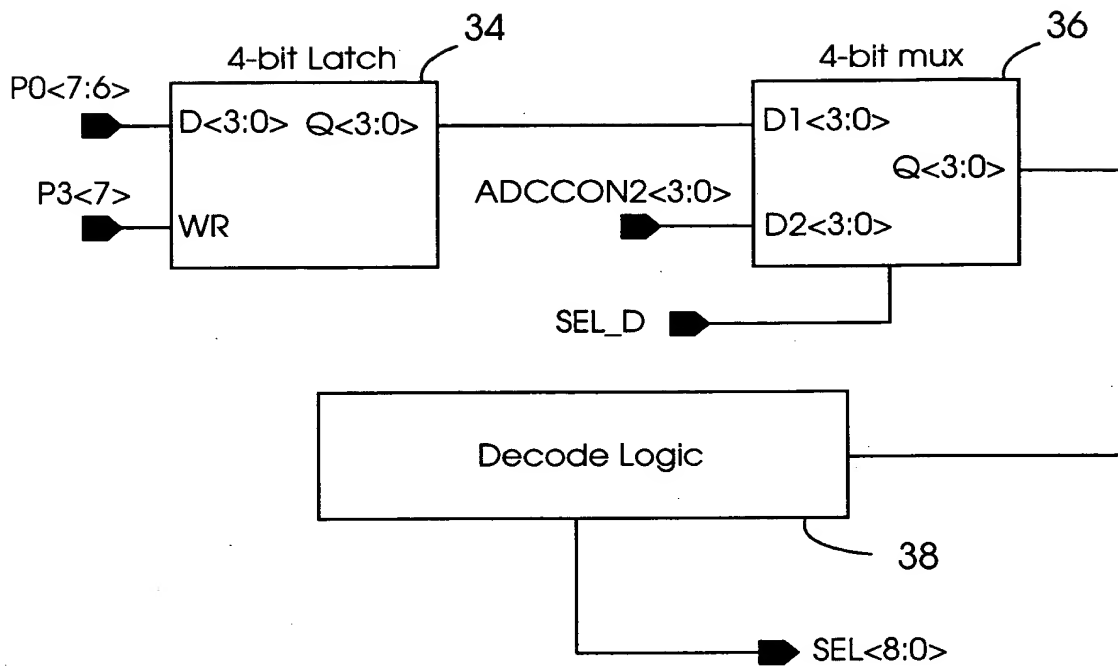


Fig.10

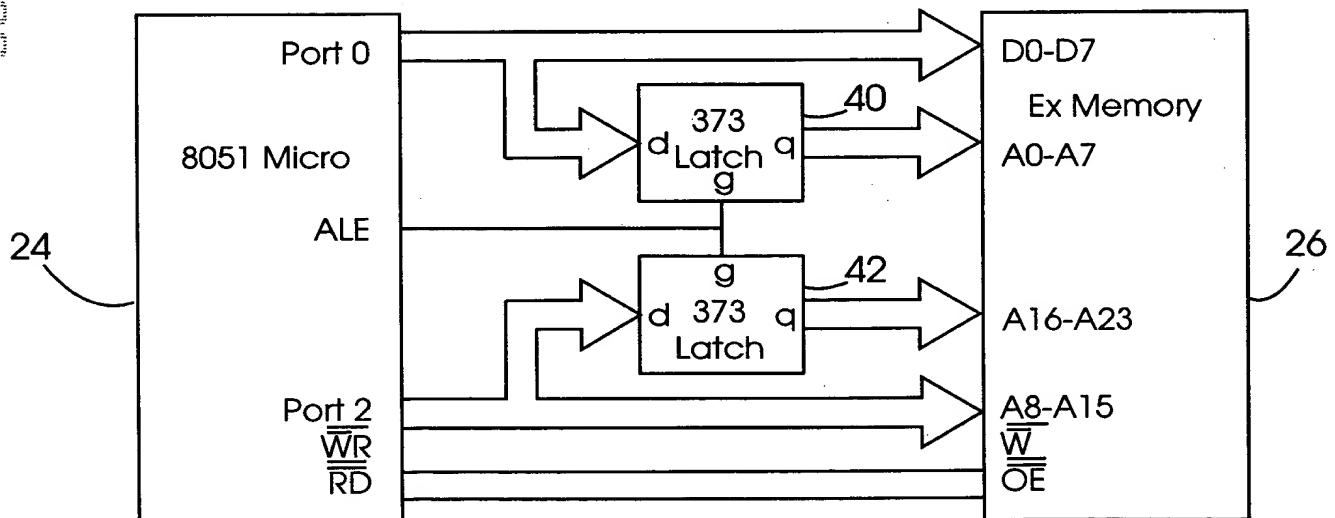


Fig.11

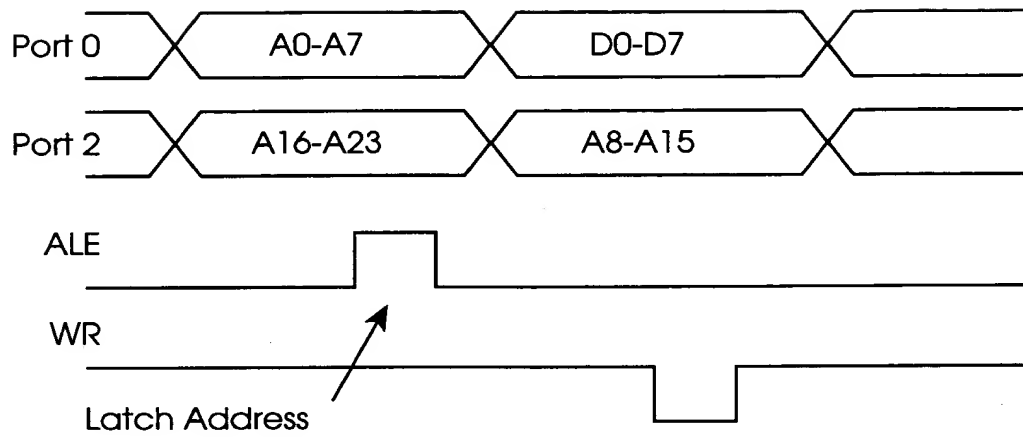


Fig. 12

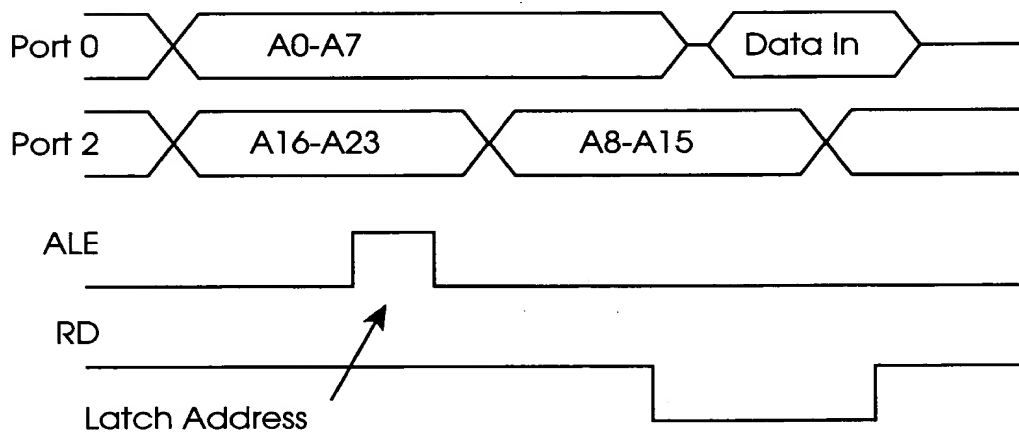


Fig. 13



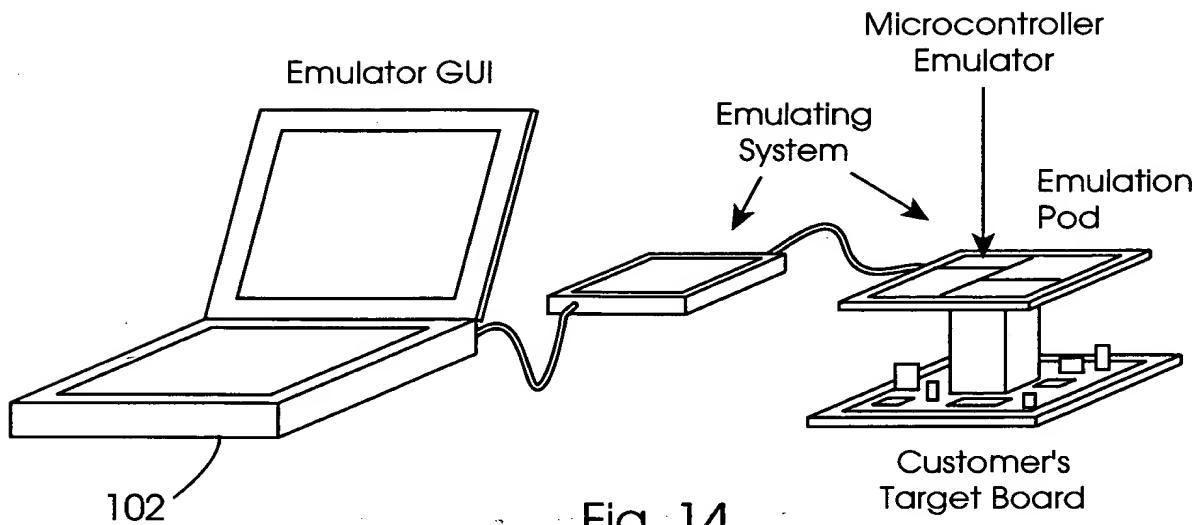


Fig. 14  
(PRIOR ART)

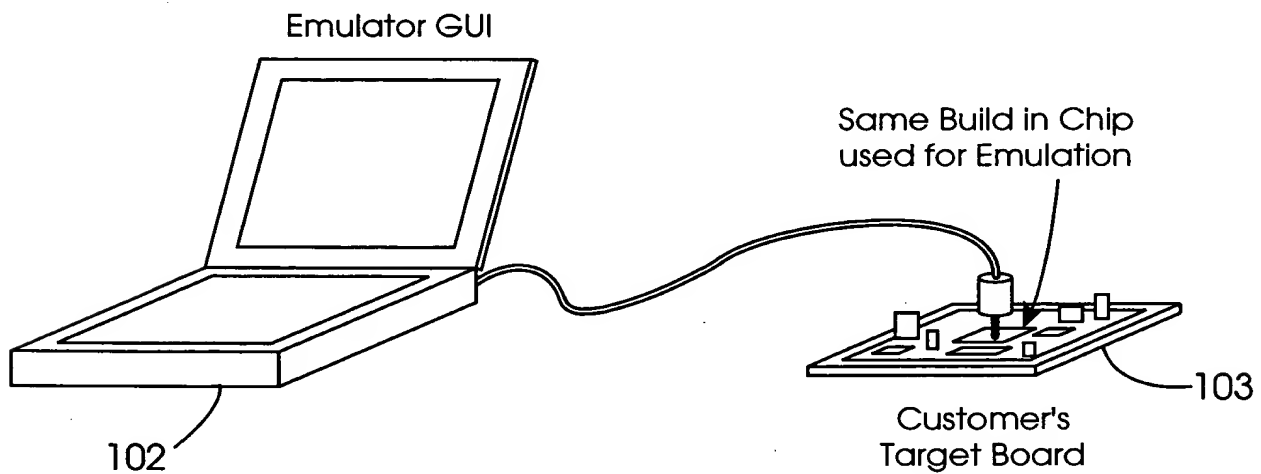
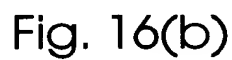


Fig. 15



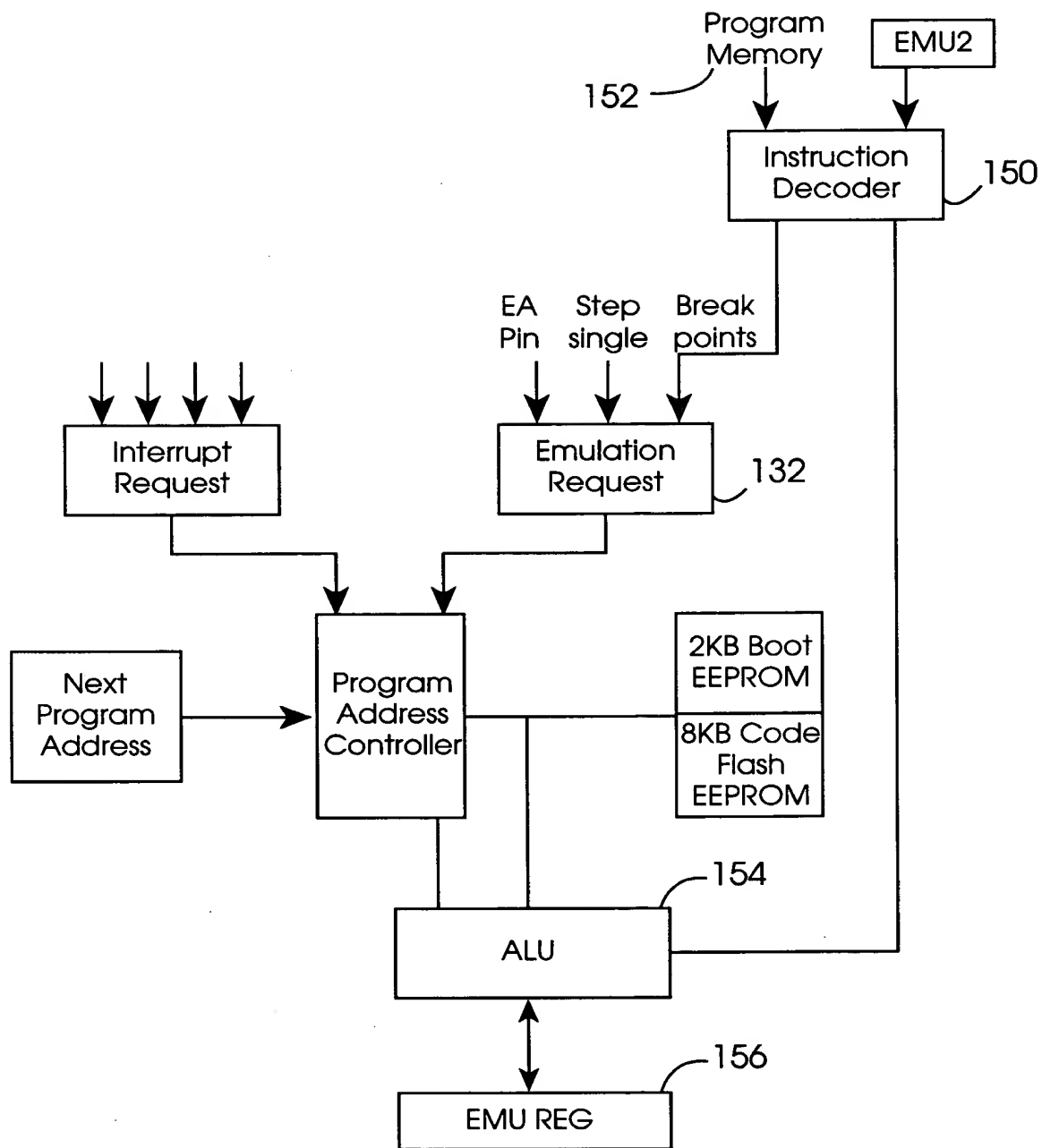


Fig. 18

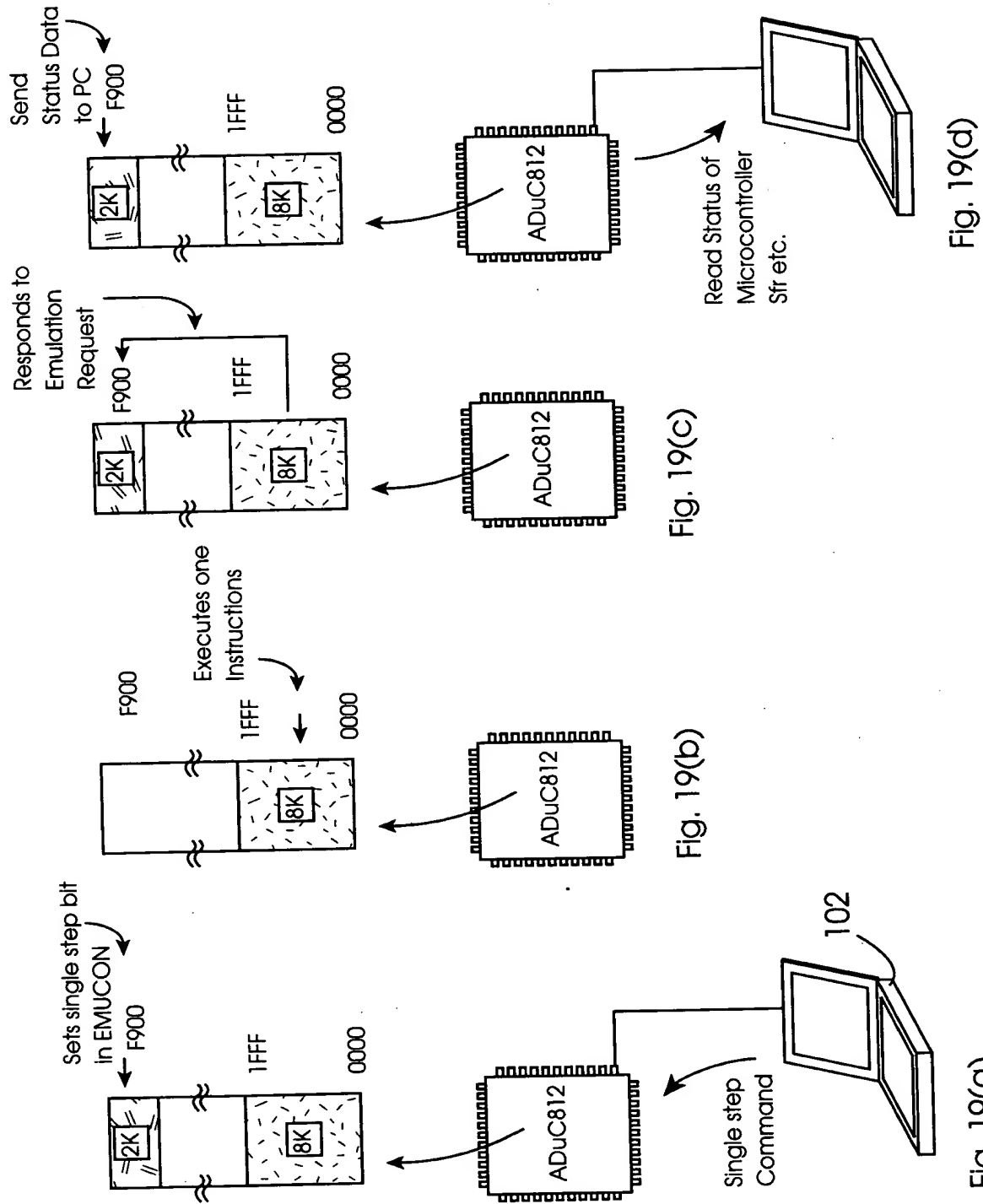


Fig. 19

# Breakpoint Using a Special Instruction

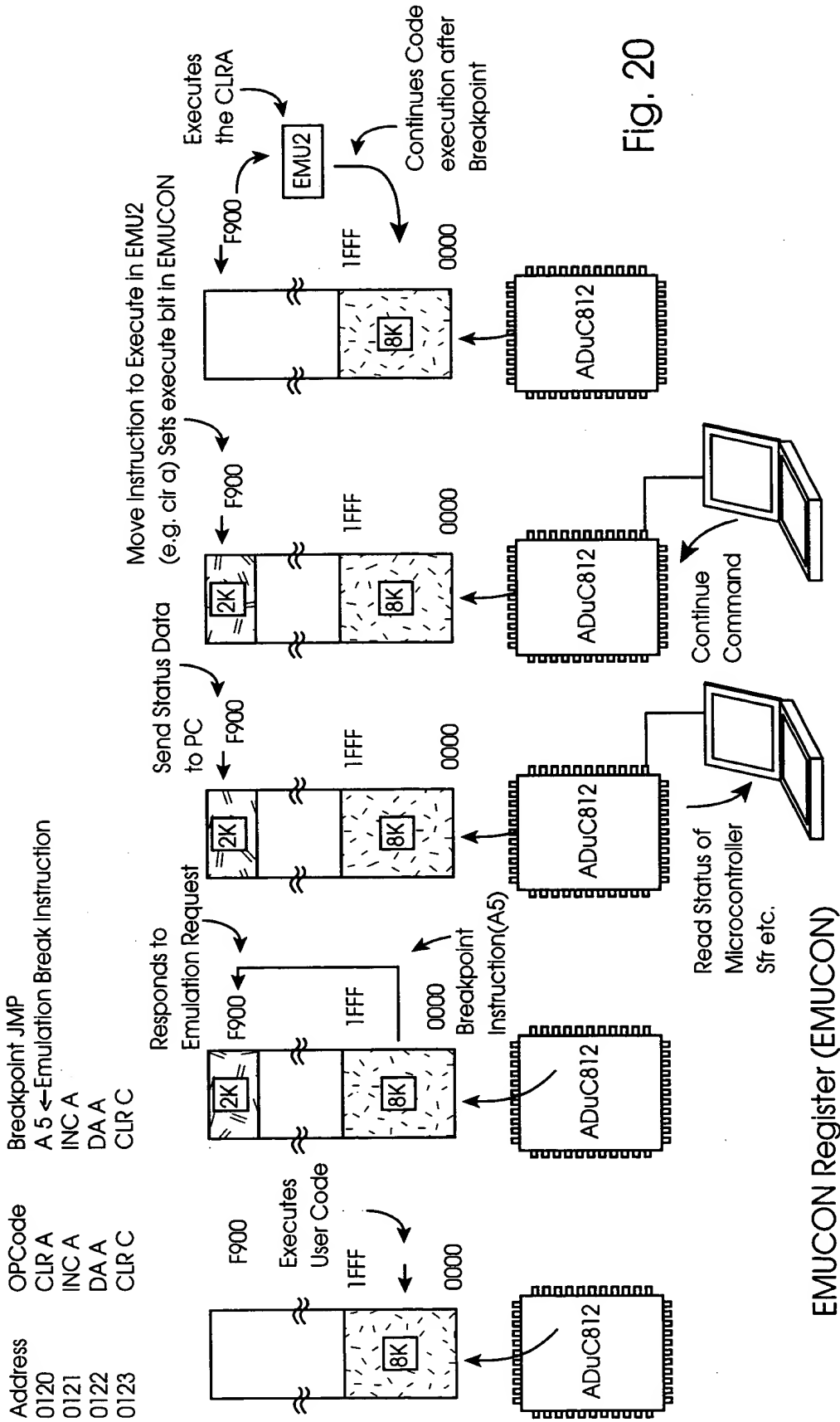


Fig. 20

## EMUCON Register (EMUCON)

CLKD		EE	EES	ESS	EAIN	EAOUT
0	0	1	0	0	0	1
R/W	R/W	R/W	R/W	R/W	R	R/W

Fig. 21

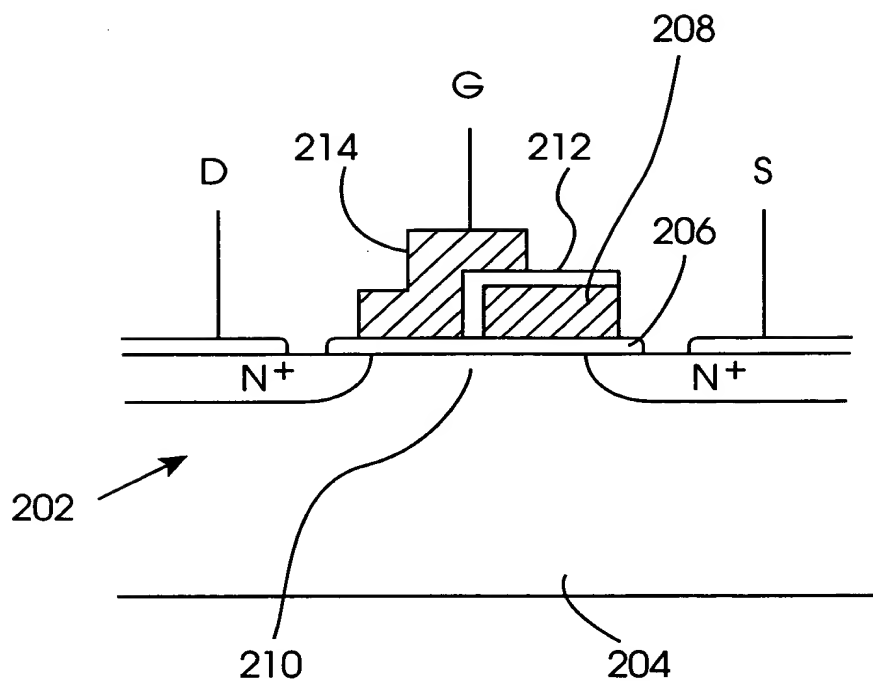


Fig. 22

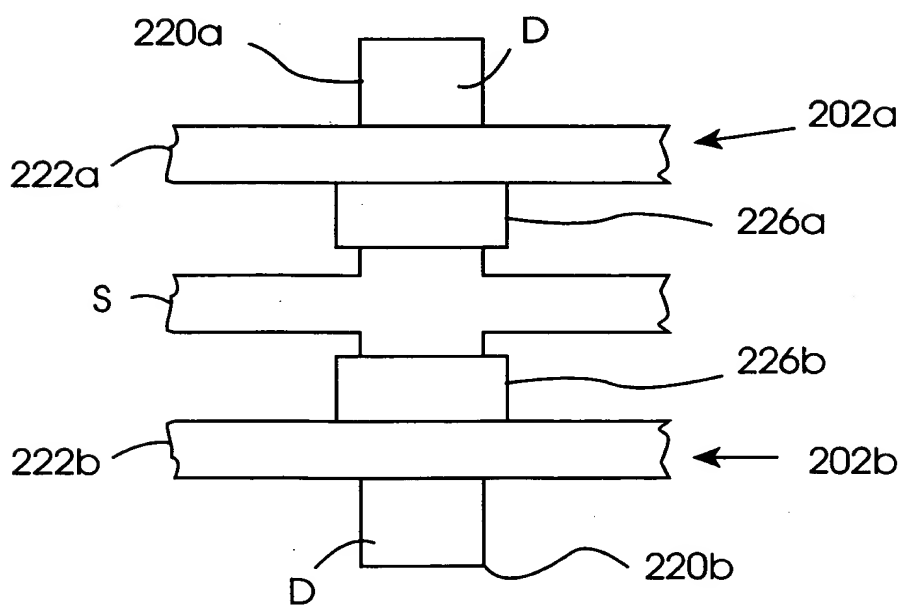


Fig. 23

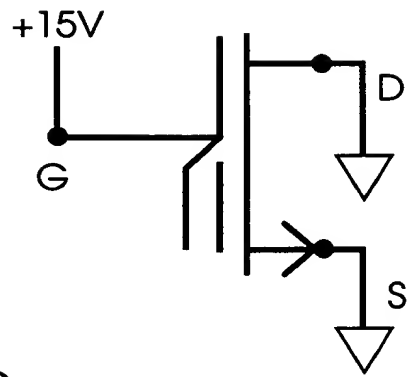


Fig. 24(a)

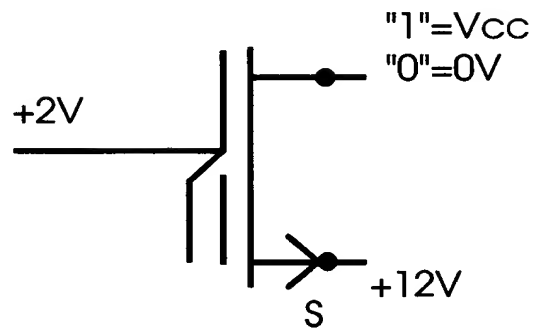


Fig. 24(b)

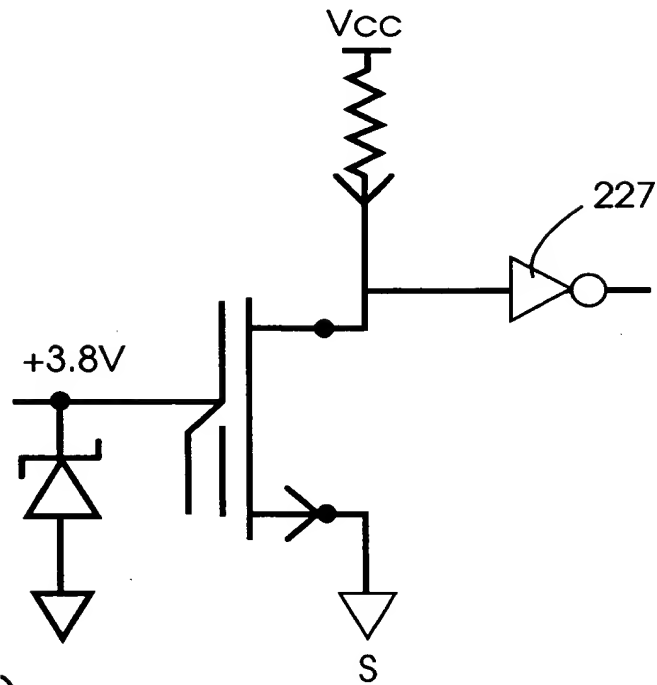


Fig. 24(c)

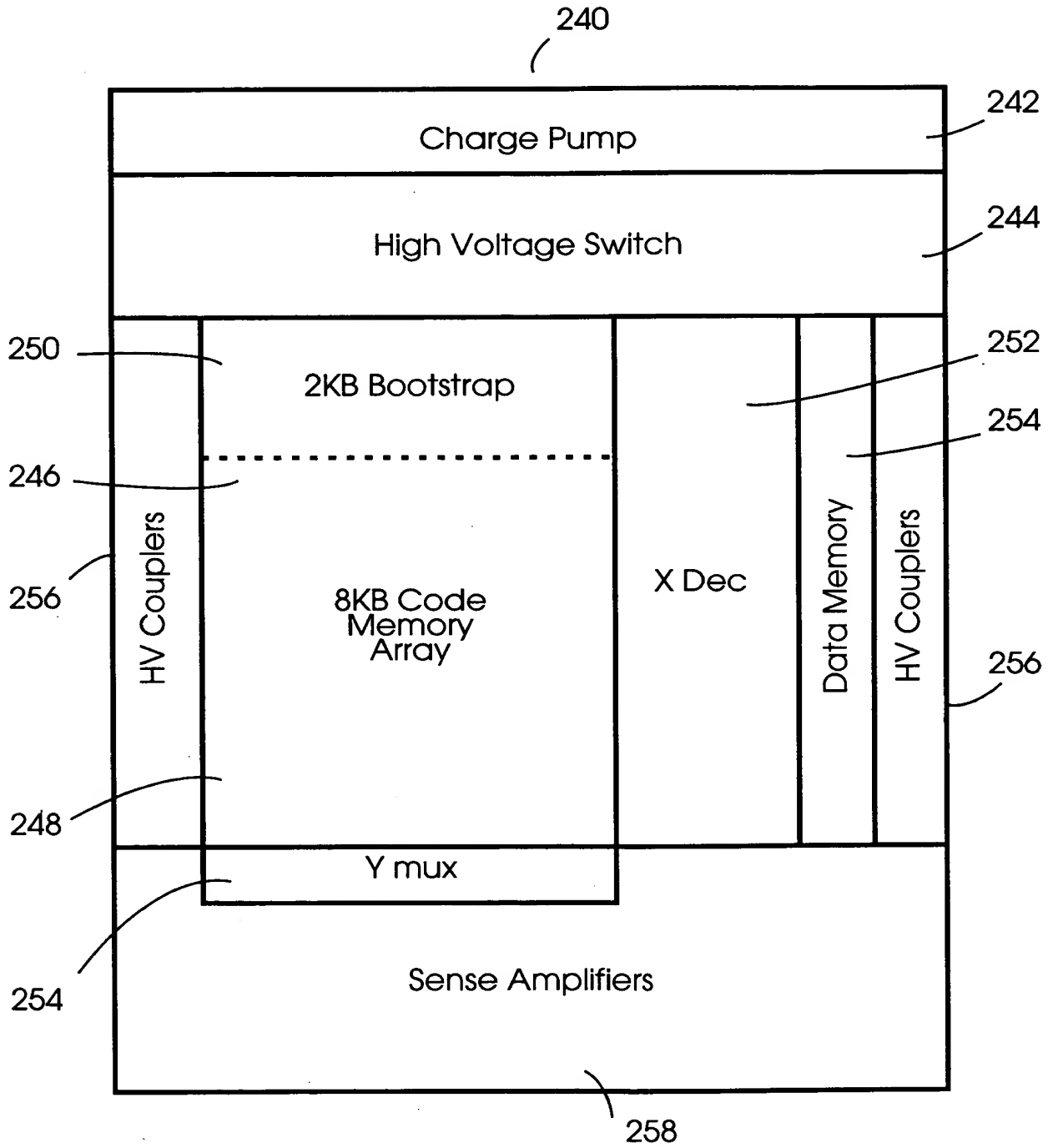


Fig. 25



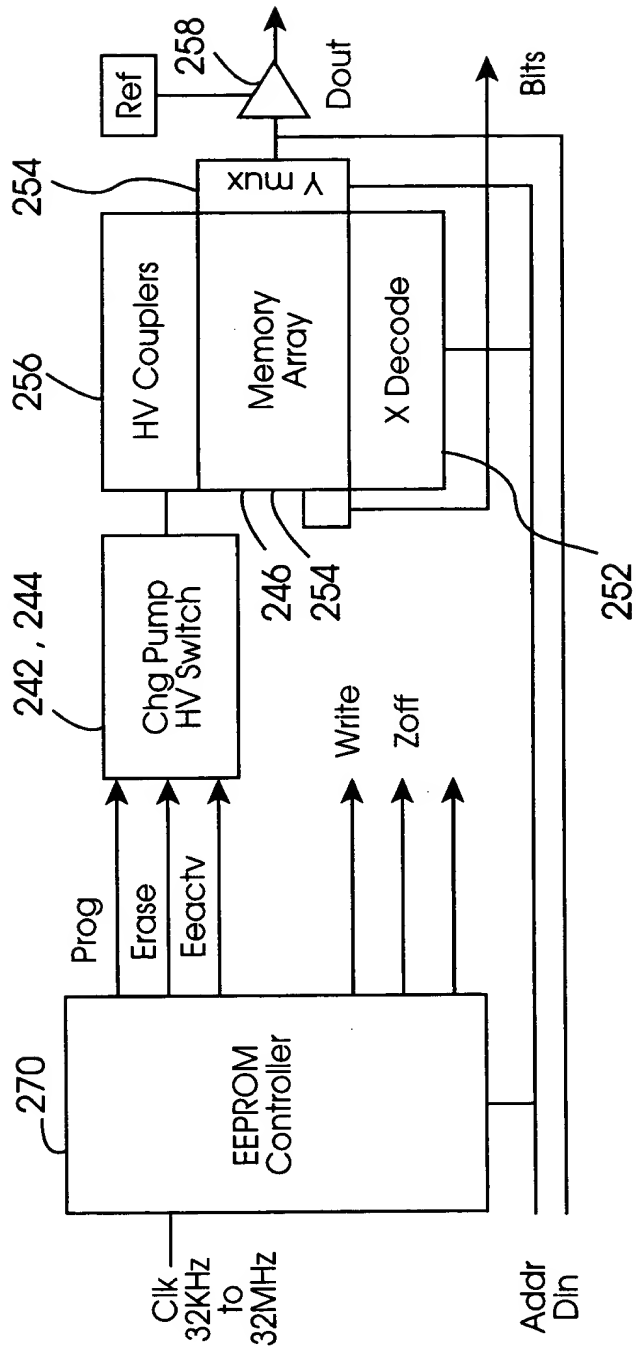


Fig. 26

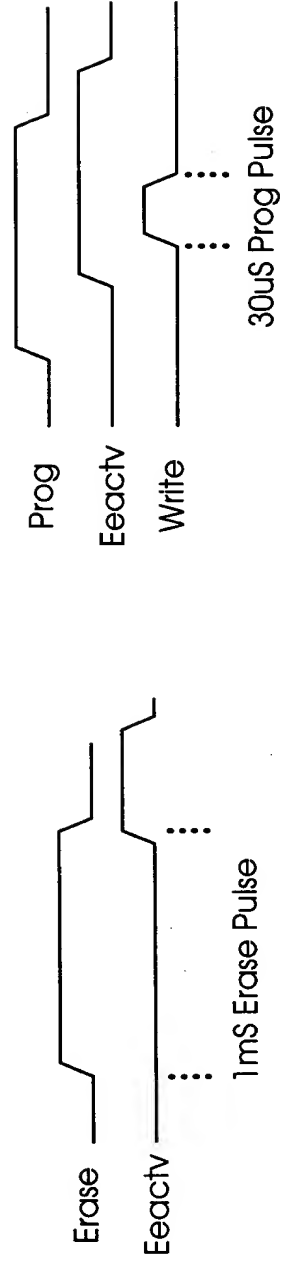


Fig. 27(a)

Fig. 27(b)

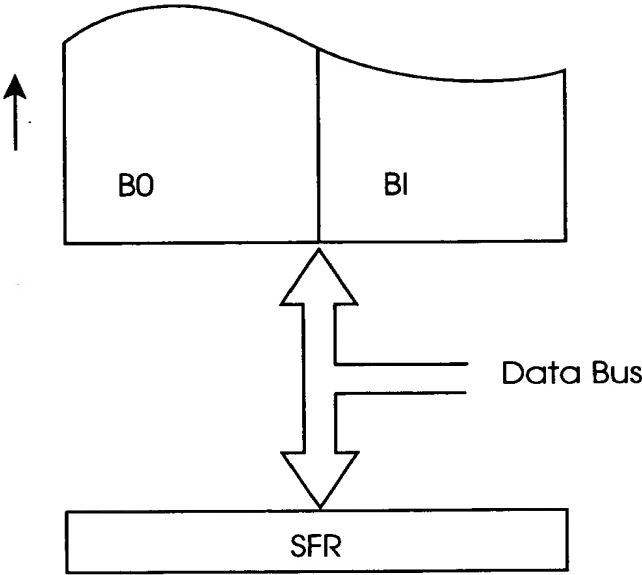


Fig. 28

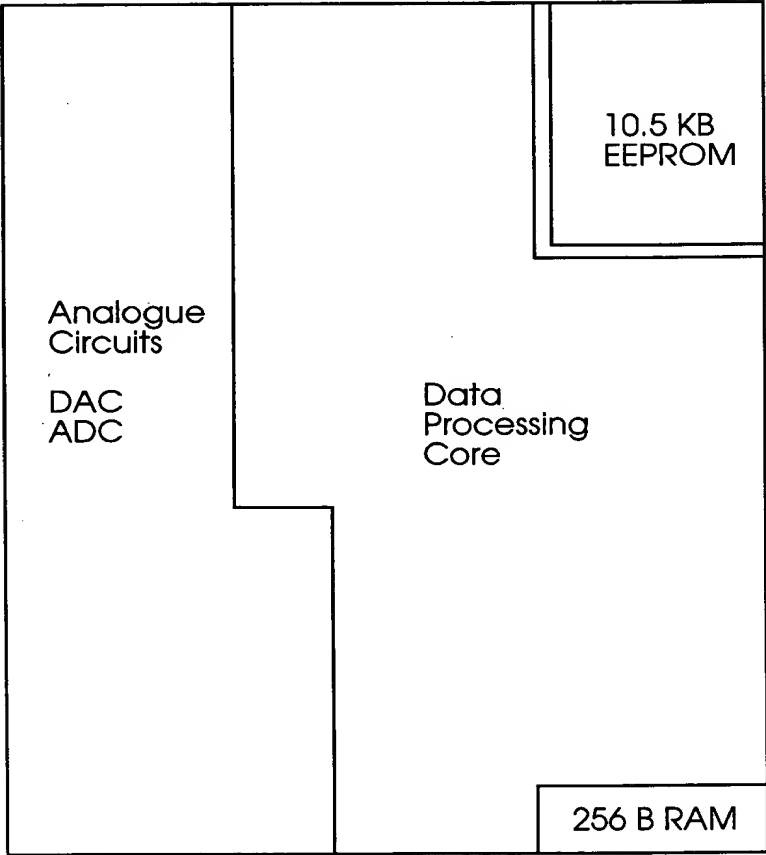


Fig. 29

005430 2640E960



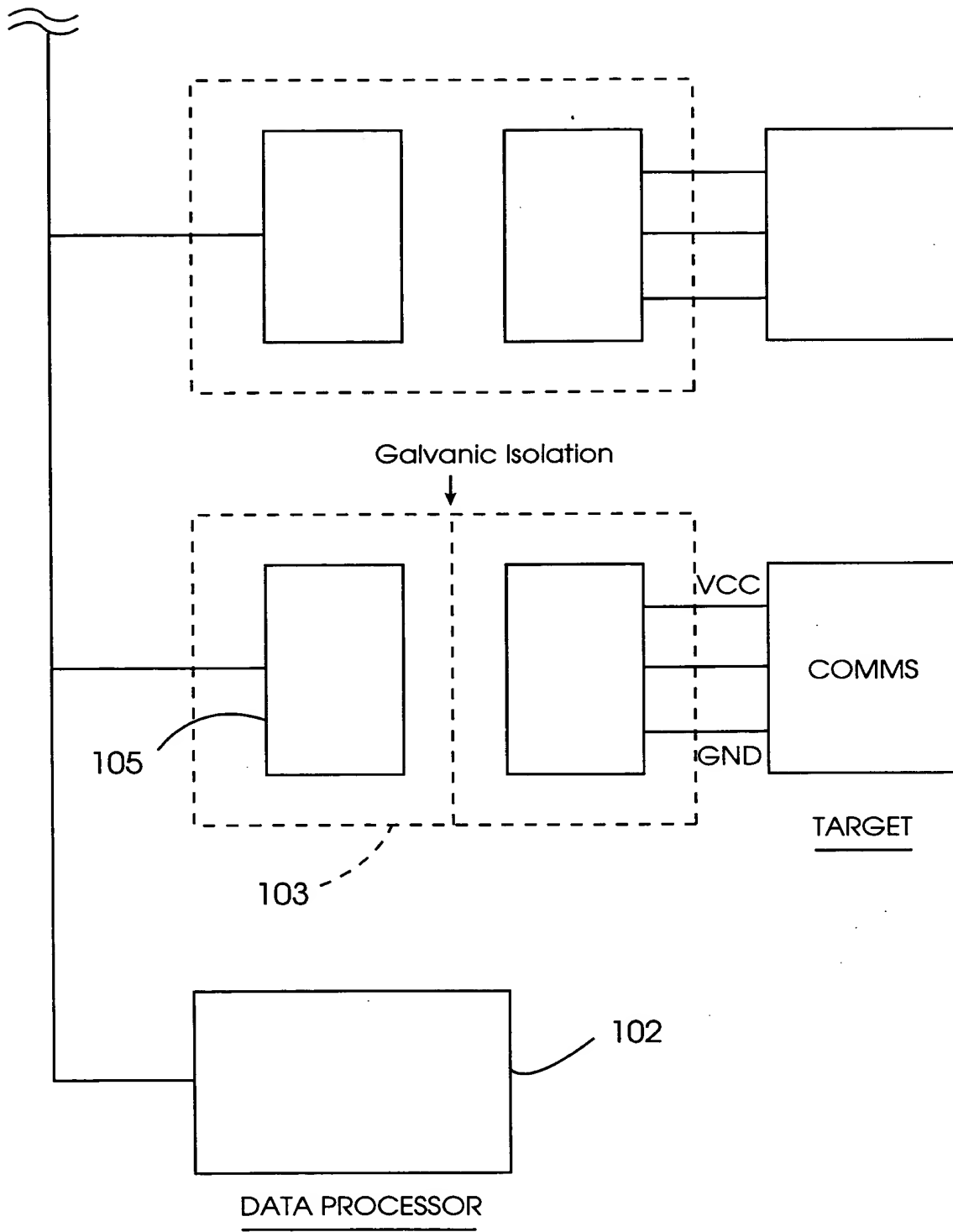


Fig. 31

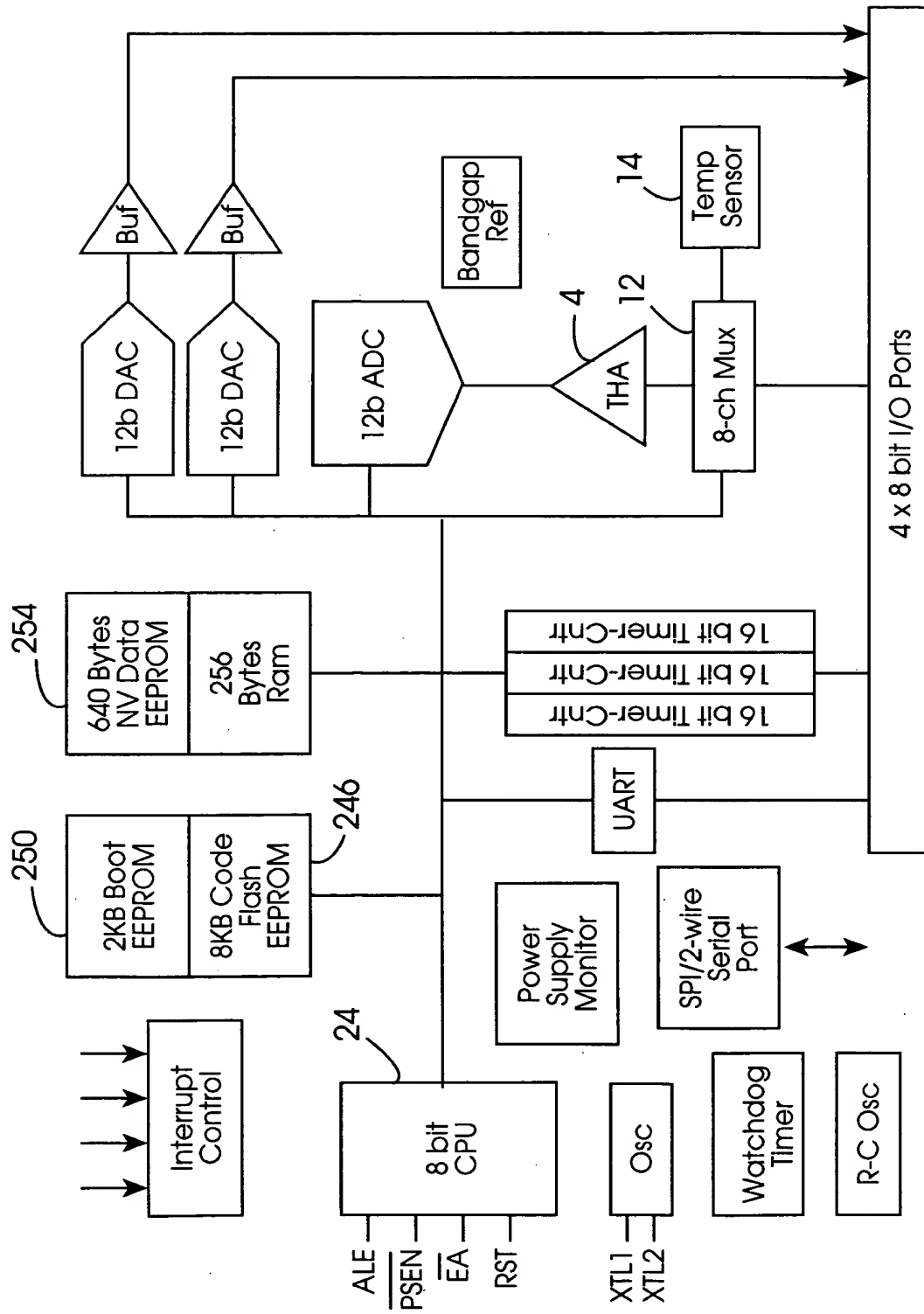


Fig. 32